

IN THE CLAIMS

1. (Currently amended) A dry powder inhaler, comprising:
a housing having a mouthpiece and a delivery passageway connected to the mouthpiece;

a magazine positioned within the housing and including a plurality of reservoirs ²⁵for holding doses of dry powder, and ~~wherein the magazine is being~~ movable within the housing ~~so that the reservoirs are to sequentially positioned position the reservoirs within the delivery passageway of the housing upon movement of the magazine;~~

a cover connected to the housing and selectively movable to open and close access to the mouthpiece ~~of the housing;~~ and

a rake connected to the cover, and extending into the housing, ~~and the rake being~~ engageable with the magazine so that, upon movement of the cover being moved to open access to the mouthpiece, the rake moves the magazine and causes one of the reservoirs ~~of the magazine~~ to be positioned within the delivery passageway.

2. (Original) An inhaler according to claim 1, wherein each of the reservoirs of the magazine is covered in a substantially moisture-resistant and airtight manner prior to the reservoir being positioned within the delivery passageway of the housing.

3. (Original) An inhaler according to claim 1, wherein each of the reservoirs of the magazine is covered in a substantially moisture-resistant and airtight manner with a layer of foil prior to the reservoir being positioned within the delivery passageway of the housing.

4. (Original) An inhaler according to claim 1, wherein the magazine is made of polypropelyne and each of the

reservoirs of the magazine is covered in a substantially moisture-resistant and airtight manner with a layer of foil prior to the reservoir being positioned within the delivery passageway of the housing.

5. (Original) An inhaler according to claim 4, wherein the housing includes a sharp edge positioned to remove the foil from each of the reservoirs of the magazine as the magazine moves immediately prior to the reservoir being positioned within the delivery passageway of the housing.

6. (Currently amended) An inhaler according to claim 1, wherein the magazine is annular and rotatably movable in the housing ~~such that rotation of the annular magazine to sequentially positions the plurality of the dry powder reservoirs within the delivery passageway of the housing.~~

7. (Original) An inhaler according to claim 6, wherein the magazine is rotatably movable with respect to the housing in only a single direction.

8. (Currently amended) An inhaler according to claim 6, wherein the annular magazine includes teeth extending radially outwardly that are engaged by the rake of the mouthpiece cover for advancing the magazine upon movement of the cover being to ~~opened~~ open access to the mouthpeice.

9. (Original) An inhaler according to claim 8, wherein the rake is pivotally connected to the cover and the cover is pivotally connected to the housing.

10. (Original) An inhaler according to claim 1,

further including means for indicating the number of reservoirs containing dry powder.

11. (Original) An inhaler according to claim 1, further comprising dry powder medicament contained in the reservoirs of the magazine.

12. (Currently amended) An inhaler according to claim 1, wherein the reservoirs of the ~~dose~~-magazine ~~comprise~~include bores that extend from a lower surface and an upper surface of the magazine and the magazine includes a lower layer of moisture resistant, air-tight material covering the lower surface and an upper layer of moisture resistant, air-tight material covering the upper surface and enclosing medicament in the bores of the magazine in a dry, air-tight manner.

13. (Original) An inhaler according to claim 12, wherein the upper layer of moisture resistant, air-tight material is provided with domes over the medicament bores.

14. (Currently amended) An inhaler according to claim 13, wherein the magazine is formed of plastic and the moisture resistant, air-tight material ~~comprises~~includes metal foil secured to the magazine ~~with adhesive~~.

15. (Currently amended) An inhaler according to claim 1, wherein each reservoir of the ~~dose~~-magazine includes a lining of moisture resistant, air-tight material.

16. (Currently amended) An inhaler according to claim 1, wherein the reservoirs of the ~~dose~~-magazine are formed in a trough of moisture resistant, air-tight material fitted into the magazine.

17. (Original) An inhaler according to claim 1, wherein the magazine includes a layer of moisture resistant, air-tight material secured to an upper surface of the magazine over the reservoirs, and the inhaler further includes a foil removal mechanism having a rotatable winding wheel that peels the layer of moisture resistant, air-tight material from the upper surface of the magazine as the magazine is moved.

18. (Currently amended) An inhaler according to claim 1, wherein the ~~dose~~-magazine includes bores sealed with at least one layer of moisture resistant, air-tight material, and deployable pistons contained in the bores, and each of the pistons has at least one compartment holding powder medicament which is presented for inhalation upon the piston being pushed through the layer of moisture resistant, air-tight material.

19. (Currently amended) An inhaler according to claim 18, further comprising an actuator for successively deploying the pistons from the ~~dose~~-magazine as the ~~dose~~-magazine is moved over the actuator.

20. (Currently amended) An inhaler according to claim 18, further comprising an actuator connected to the cover for successively deploying the pistons from the ~~dose~~-magazine upon movement of ~~when the cover is opened~~ to open access to the mouthpiece.

21. (Original) An inhaler according to claim 18, wherein the medicament pistons each include multiple compartments.

22. (Original) An inhaler according to claim 21

wherein, for each of the medicament pistons, the multiple compartments vary in size.

23. (Currently amended) An inhaler according to claim 21, further comprising an actuator for deploying the pistons from the ~~dose~~—magazine as the ~~dose~~—magazine is moved over the actuator, and an adjustment mechanism for adjusting the magnitude of deployment produced by the actuator.

24. (Currently amended) An inhaler according to claim 1, wherein the ~~dose~~—magazine includes bores containing deployable medicament pistons, ~~and the bores are~~ being one of, circular bores that extend radially through the magazine, circular bores that extend axially through the magazine, rectangular bores that extend radially through the magazine, and rectangular bores that extend axially through the magazine.

25. (Currently amended) An inhaler according to claim 1, wherein the ~~dose~~—magazine includes sets of multiple bores each containing a deployable set of medicament pistons, ~~and the inhaler includes~~ further comprising a set of deployable actuators for causing deployment of the set of the pistons from the magazine.

26. (Currently amended) A dose magazine for a dry powder inhaler, comprising:

a plurality of reservoirs extending between a lower surface and an upper surface of the magazine, ~~wherein the magazine is~~ being movable within a housing of a dry powder inhaler so that the reservoirs are sequentially positioned within a delivery passageway of the housing of the dry powder inhaler upon movement of the magazine,

a lower layer of moisture resistant, air-tight material covering the ends of the reservoirs in the lower surface of the magazine,

an upper layer of moisture resistant, air-tight material covering the ends of the reservoirs in the upper surface of the magazine, such that the layers of moisture resistant, air-tight material enclose the reservoirs of the magazine in a substantially dry, air-tight manner, and

deployable medicament pistons positioned in the reservoirs, each piston and including at least one chamber for holding dry powder medicament, so that deployment of the piston through one of the layers of moisture resistant, air-tight material presents the dry powder medicament to the delivery passageway of the dry powder inhaler for inhalation.

27. (Currently amended) A dose magazine according to claim 26, wherein the magazine is made of polypropelyne and each of the layers of moisture resistant, air-tight material includes ~~comprises~~ a metal foil.

28. (Original) A dose magazine according to claim 26, wherein the magazine is annular and rotatably movable such that rotation of the annular magazine will sequentially position the reservoirs within the delivery passageway of the dry powder inhaler.

29. (Original) A dose magazine according to claim 26, further comprising dry powder medicament contained in the chambers of the pistons of the magazine.

30. (Currently amended) A dose magazine according to claim 26, wherein the dose magazine includes sets of multiple bores each containing a deployable set of medicament pistons, and the

inhaler includes a set of deployable actuators for causing deployment of the set of the pistons from the magazine.

31. (Original) A dose magazine according to claim 26, wherein the medicament pistons each include multiple compartments.

32. (Original) A dose magazine according to claim 31, wherein, for each of the medicament pistons, the multiple compartments vary in size.

33. (Currently amended) A dry powder inhaler, comprising:
~~including~~

a dose magazine according to claim 26; and ~~further~~
~~including~~

a housing containing the dose magazine, ~~—and—the~~ housing
having a mouthpiece and a delivery passageway connected to the
mouthpiece, ~~wherein the magazine is being positioned~~ and movable
within the housing such that the reservoirs are sequentially
positioned within the delivery passageway of the housing ~~of the~~
~~dry powder inhaler~~ upon movement of the magazine.

34. (Original) An inhaler according to claim 33, wherein the magazine is rotatably movable with respect to the housing in only a single direction.

35. (Currently amended) An inhaler according to claim 33, further comprising an actuator for successively deploying the pistons from the ~~dose~~ magazine as the ~~dose~~ magazine is moved over the actuator.

36. (Original) An inhaler according to claim 35,

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further comprising an adjustment mechanism for adjusting the magnitude of deployment produced by the actuator.